

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 03-003 PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/003231	International filing date (day/month/year) 26/03/2004	(Earliest) Priority date (day/month/year) 16/04/2003
Applicant KRONE GMBH		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**.

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. The figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

 International Application No.
 PCT/EP2004/003231

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01T4/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 460 223 A (MITSUBISHI MATERIALS CORP) 11 December 1991 (1991-12-11) page 3, line 24 - line 28; figures 1,2 page 5, line 43 - line 49	1,3
A	EP 0 410 140 A (SIEMENS AG) 30 January 1991 (1991-01-30)	
A	DE 198 18 477 A (QUANTE AG) 28 October 1999 (1999-10-28) cited in the application	
A	DE 34 30 922 A (KRONE GMBH) 6 March 1986 (1986-03-06) cited in the application	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

17 June 2004

Date of mailing of the international search report

25/06/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5518 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Bijn, E

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.
PCT/EP2004/003231

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0460223	A	11-12-1991	JP 3094844 U	27-09-1991
			JP 3097342 U	07-10-1991
			JP 3097343 U	07-10-1991
			CA 2045670 A1	28-06-1991
			DE 69028698 D1	31-10-1996
			DE 69028698 T2	20-02-1997
			EP 0460223 A1	11-12-1991
			WO 9110291 A1	11-07-1991
			KR 9504877 B1	15-05-1995
EP 0410140	A	30-01-1991	AT 99081 T	15-01-1994
			AU 635282 B2	18-03-1993
			AU 5785890 A	03-01-1991
			DE 59003945 D1	03-02-1994
			EP 0410140 A1	30-01-1991
			ES 2047206 T3	16-02-1994
			HU 54252 A2	28-01-1991
			IE 902328 A1	16-01-1991
			JP 3038191 A	19-02-1991
			NO 902818 A	02-01-1991
			NZ 234141 A	28-10-1992
			PT 94506 A	28-02-1992
			SU 1828563 A3	15-07-1993
DE 19818477	A	28-10-1999	DE 19818477 A1	28-10-1999
			AU 755266 B2	05-12-2002
			AU 3927499 A	16-11-1999
			WO 9956361 A1	04-11-1999
			EP 0992096 A1	12-04-2000
			PL 337607 A1	28-08-2000
			ZA 9907684 A	09-01-2001
DE 3430922	A	06-03-1986	DE 3430922 A1	06-03-1986